

## ABSTRACT OF THE DISCLOSURE

In an exemplary aspect of the invention, a method for displaying a computer program organization on a screen monitor provides a graphical representation of a source code structure during a debugging session. The graphical representation may include a program call graph (PCG) or portion thereof for a procedure within the source code. The PCG may comprise a P\_node to symbolize a procedure and an association reference to identify the relationship between two such procedures. Alternatively, the graphical representation may include a control flow graph (CFG) or portion thereof associated with a procedure within the source code. The procedure may comprise of one or more basic blocks, each basic block associated with a potentially executable source code statement. The CFG may comprise a B\_node symbolizing a first basic block and an association reference to identify the relationship between two such basic blocks. The B\_node may be adjusted by user command to display supplemental information (such as source code) or association with a cross-referencing table. In addition, the graphical representation may include a statement mapping table (SMT) or portion thereof associated with cross-referencing of line numbers and statements and basic blocks of a procedure within the source code.